

GenCore version 5.1.6  
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OK protein - protein search, using sw model

Run on: July 16, 2003, 13:52:41 ; Search time 21 Seconds  
(Without alignments)  
124.415 Million cell updates/sec

Title: US-09-914-213-2

Perfect score: 116  
Sequence: 1 GLEISEINEEDLKECFDDME 22

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications\_AA:\*

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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB pep:\*

3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB pep:\*

4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB pep:\*

5: /cgn2\_6/ptodata/2/pubpaa/PCUS\_PUBCOMB pep:\*

6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB pep:\*

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13: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB pep:\*

14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	116	100.0	22	9 US-10-252-012-7	Sequence 7, Appl1
2	110	94.8	1479	9 US-09-982-315-4	Sequence 4, Appl1
3	110	94.8	1480	9 US-09-568-756-2	Sequence 2, Appl1
4	110	94.8	1480	9 US-09-982-315-2	Sequence 2, Appl1
5	84	72.4	1480	9 US-09-982-315-6	Sequence 6, Appl1
6	84	72.4	22	9 US-10-252-012-2	Sequence 2, Appl1
7	81	69.8	22	9 US-10-252-012-1	Sequence 1, Appl1
8	68	58.6	154	10 US-09-864-761-47352	Sequence 47352, A
9	54	46.6	626	10 US-09-801-574-10	Sequence 10, Appl1
10	51	44.0	705	10 US-09-815-242-5334	Sequence 10, Appl1
11	51	44.0	713	10 US-09-815-242-5334	Sequence 10, Appl1
12	49	42.2	257	7 US-09-870-759-16	Sequence 16, Appl1
13	49	42.2	257	7 US-09-870-759-8	Sequence 8, Appl1
14	49	42.2	257	9 US-10-002-784A-2	Sequence 2, Appl1
15	49	42.2	305	9 US-10-234-432-68	Sequence 68, Appl1
16	48	41.4	564	9 US-10-234-432-29	Sequence 29, Appl1
17	48	41.4	233	7 US-08-882-431-4	Sequence 4, Appl1
18	47	40.5	233	9 US-10-002-784A-4	Sequence 4, Appl1
19	47	40.5	233	9 US-10-002-784A-4	Sequence 4, Appl1

20	46	39.7	232	10 US-09-815-242-5560	Sequence 5560, Ap
21	46	39.7	232	10 US-09-815-242-12569	Sequence 12569, A
22	45	38.8	174	10 US-09-861-451A-58	Sequence 58, Appl
23	45	38.8	233	9 US-09-900-766-2	Sequence 2, Appl1
24	45	38.8	233	9 US-09-900-766-3	Sequence 3, Appl1
25	45	38.8	233	9 US-09-900-766-4	Sequence 4, Appl1
26	45	38.8	233	9 US-09-900-766-7	Sequence 7, Appl1
27	45	38.8	233	9 US-10-283-838-8	Sequence 8, Appl1
28	45	38.8	233	9 US-10-283-838-7	Sequence 7, Appl1
29	45	38.8	672	9 US-09-900-766-1	Sequence 1, Appl1
30	43	37.1	714	10 US-09-978-242-3	Sequence 3, Appl1
31	43	37.1	756	9 US-08-210-143-2	Sequence 2, Appl1
32	43	37.1	756	9 US-10-079-429-2	Sequence 2, Appl1
33	43	37.1	756	9 US-09-912-697-12	Sequence 12, Appl1
34	43	37.1	756	9 US-09-912-697-12	Sequence 12, Appl1
35	43	37.1	756	9 US-09-760-285-22	Sequence 22, Appl1
36	43	37.1	775	9 US-09-788-657-20	Sequence 20, Appl1
37	42	36.2	98	9 US-10-106-698-6310	Sequence 6310, Ap
38	42	36.2	142	9 US-10-138-618-34	Sequence 34, Appl
39	42	36.2	292	9 US-09-738-626-4756	Sequence 4756, Ap
40	42	36.2	319	10 US-09-925-297-807	Sequence 807, Ap
41	42	36.2	321	9 US-10-230-033-3	Sequence 3, Appl1
42	42	36.2	321	9 US-10-230-033-5	Sequence 5, Appl1
43	42	36.2	425	9 US-09-769-787-24	Sequence 24, Appl
44	42	36.2	749	9 US-10-211-962-92	Sequence 92, Appl
45	41.5	35.8	231	10 US-09-764-864-1503	Sequence 1503, Ap

## ALIGNMENTS

RESULT 1  
US-10-252-012-7  
; Sequence 7, Application US/10252012  
; Publication No. US20030100501A1  
; GENERAL INFORMATION:  
; APPLICANT: Davis, Pamela B.  
; TITLE OF INVENTION: Q4ANNE2 AN ACTIVATOR OF WILD TYPE AND MUTANT CTR CHLORIDE CI  
; FILE REFERENCE: 03037.00012  
; CURRENT APPLICATION NUMBER: US/10/252,012  
; CURRENT FILING DATE: 2002-09-23  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 7  
; LENGTH: 22  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-10-252-012-7

Query Match 100.0%; Score 116; DB 9; Length 22;  
Best Local Similarity 100.0%; Pred. No. 3.6e-10;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GLEISEINEEDLKECFDDME 22  
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Db 1 GLEISEINEEDLKECFDDME 22

RESULT 2  
US-09-982-315-4  
; Sequence 4, Application US/09982315  
; Publication No. US20030096762A1  
; GENERAL INFORMATION:  
; APPLICANT: Fischer, Horst  
; APPLICANT: Illek, Beate  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR CYSTIC FIBROSIS THERAPY  
; FILE REFERENCE: 200116.403D1  
; CURRENT APPLICATION NUMBER: US/09/982,315  
; CURRENT FILING DATE: 2001-10-17  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4

LENGTH: 1479  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-982-315-4

Query Match  
Best Local Similarity 94.8%; Score 110; DB 9; Length 1479;  
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GLEISEINEDKECFDDME 22  
DB 816 GLEISEINEDKECFDDME 837

RESULT 3  
US-09-568-756-2  
Sequence 2, Application US/09568756  
Patent No. US20020164782A1

GENERAL INFORMATION:  
APPLICANT: Gregory, R.J., Armentano, D., Couture, L.A., Smith, A.E.  
TITLE OF INVENTION: GENE THERAPY FOR CYSTIC FIBROSIS  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BRUMBAUGH, GRAVES, DONOHUE & RAYMOND  
STREET: 30 ROCKEFELLER PLAZA  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10112

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/568,756  
FILING DATE: 11-May-2000  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/136,742  
FILING DATE: 13-OCT-1993  
APPLICATION NUMBER: US 07/985,478  
FILING DATE: 03-DEC-1992

ATTORNEY/AGENT INFORMATION:  
NAME: Seide, Rochelle K.  
REGISTRATION NUMBER: 32,300  
REFERENCE/DOCKET NUMBER: A30668A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 408-2500  
TELEFAX: (212) 765-2519

INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1480 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-09-568-756-2

Query Match  
Best Local Similarity 94.8%; Score 110; DB 9; Length 1480;  
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GLEISEINEDKECFDDME 22  
DB 817 GLEISEINEDKECFDDME 838

RESULT 4  
US-09-982-315-2  
Sequence 2, Application US/09982315  
Patent No. US20030096762A1

GENERAL INFORMATION:  
APPLICANT: Fischer, Horst  
APPLICANT: Iller, Beate  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR CYSTIC FIBROSIS THERAPY  
FILE REFERENCE: 200116.403D1  
CURRENT APPLICATION NUMBER: US/09/982,315  
CURRENT FILING DATE: 2001-10-17  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: Patentln Ver. 2.0

SEQ ID NO: 2  
LENGTH: 1480  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-982-315-2

Query Match  
Best Local Similarity 94.8%; Score 110; DB 9; Length 1480;  
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GLEISEINEDKECFDDME 22  
DB 817 GLEISEINEDKECFDDME 838

RESULT 5  
US-09-982-315-6  
Sequence 6, Application US/09982315  
Publication No. US20030096762A1

GENERAL INFORMATION:  
APPLICANT: Fischer, Horst  
APPLICANT: Iller, Beate  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR CYSTIC FIBROSIS THERAPY  
FILE REFERENCE: 200116.403D1  
CURRENT APPLICATION NUMBER: US/09/982,315  
CURRENT FILING DATE: 2001-10-17  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: Patentln Ver. 2.0

SEQ ID NO: 6  
LENGTH: 1480  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-982-315-6

Query Match  
Best Local Similarity 94.8%; Score 110; DB 9; Length 1480;  
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GLEISEINEDKECFDDME 22  
DB 817 GLEISEINEDKECFDDME 838

RESULT 6  
US-10-252-012-2  
Sequence 2, Application US/10252012  
Publication No. US20030100501A1

GENERAL INFORMATION:  
APPLICANT: Davis, Pamela B.  
TITLE OF INVENTION: Q4N2MEG2 AN ACTIVATOR OF WILD TYPE AND MUTANT CFTR CHLORIDE CH  
FILE REFERENCE: 03037.00012  
CURRENT APPLICATION NUMBER: US/10/252,012  
CURRENT FILING DATE: 2002-09-23  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: Patentln version 3.0

SEQ ID NO: 2  
LENGTH: 22  
TYPE: PRT  
ORGANISM: homo sapiens  
US-10-252-012-2

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Best Local Similarity 72.4%; Score 84; DB 9; Length 22;  
Matches 68.2%; Pred. No. 1.3e-05;

RESULT 7  
US-10-252-012-1  
; Sequence 1, Application US/10252012  
; Publication No. US20030100501A1  
; GENERAL INFORMATION:  
; APPLICANT: Davis, Pamela B.  
; TITLE OF INVENTION: Q4N2MEG2 AN ACTIVATOR OF WILD TYPE AND MUTANT CFTR CHLORIDE CHANNEL

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1 CURRENT APPLICATION NUMBER: US/10/252.012
2 CURRENT FILING DATE: 2002-09-23
3 NUMBER OF SEQ. ID NOS: 7
4 SOFTWARE: PatentIn version 3.0
5 SEQ. ID NO. 1
6 LENGTH: 22
7 TYPE: PRT
8 ORGANISM: homo sapiens
9 FEATURE:
10 NAME/KEY: MOD_RES
11 LOCATION: (1)..(1)
12 OTHER INFORMATION: ACETYLATION
13 FEATURE:
14 NAME/KEY: MOD_RES
15 LOCATION: (21)..(21)
16 OTHER INFORMATION: Nle
17 FEATURE:
18 NAME/KEY: MOD_RES
19 LOCATION: (22)..(22)
20 OTHER INFORMATION: AMIDATION
21 --S-10-252-012-1

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QY	1	GLEISFEINEDLKECFPDME	22
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Db	1	GLEISQINQNLKQSEFNDE	22

RESULT 8  
 US-09-864-761-47352  
 Sequence 47352, Application US/09864761  
 Patent No. US20020048763A1  
 GENERAL INFORMATION:  
 APPLICANT: Penn, Sharon G.  
 APPLICANT: Rank, David R.  
 APPLICANT: Hanzel, David K.  
 APPLICANT: Chen, Wensheng  
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
 TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
 FILE REFERENCE: Aecm1ca-x-1  
 CURRENT APPLICATION NUMBER: US/09/864,761  
 CURRENT FILING DATE: 2001-05-23  
 PRIOR APPLICATION NUMBER: US 60/180,312  
 PRIOR FILING DATE: 2000-02-04  
 PRIOR APPLICATION NUMBER: US 60/207,456  
 PRIOR FILING DATE: 2000-05-26  
 PRIOR APPLICATION NUMBER: US 09/632,366  
 PRIOR FILING DATE: 2000-08-03  
 PRIOR APPLICATION NUMBER: GB 24263,6  
 PRIOR FILING DATE: 2000-10-04  
 PRIOR APPLICATION NUMBER: US 60/236,359  
 PRIOR FILING DATE: 2000-09-27  
 PRIOR APPLICATION NUMBER: PCT/US01/00666  
 PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,667
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonmax Sequence Listing vers. 1.1.1
SEQ ID NO 47352

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? ORGANISM: Homo sapiens
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? OTHER INFORMATION: MAP TO AC000111.1
? OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.44
? OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.73
? OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.5
? OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.5
? OTHER INFORMATION: EST_HUMAN HIT: W52051.1, EVALUATE 1.00e-06
? OTHER INFORMATION: SWISSPROT HIT: P13569, EVALUATE 2.00e-82
US-09-864-761-47352

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Best Local Similarity 100.0%; Pred. No. 0.022;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db      141 GLEISEEINEDLK 154
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RESULT 9
US-09-801-574-10
Sequence 10, Application US/09801574
Patent No. US20020081592A1
GENERAL INFORMATION:
APPLICANT: Wang, Peijiang, Jeremy
APPLICANT: Page, David C.
TITLE OF INVENTION: Reproduction-Specific Genes
FILE REFERENCE: 0399, 2007-002
CURRENT APPLICATION NUMBER: US/09/801,574
PRIOR FILING DATE: 2001-03-07
PRIOR APPLICATION NUMBER: 60/187,518
PRIOR FILING DATE: 2000-03-07
PRIOR APPLICATION NUMBER: 60/261,557
PRIOR FILING DATE: 2001-01-12
NUMBER OF SEQ. ID NOS: 90
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ. ID NO. 10
LENGTH: 626
TYPE: PRT
ORGANISM: Mus musculus
US-09-801-574-10

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Query Match	46.68;	Score 54;	DB 10;	Length 626
Best Local Similarity	64.78;	Pred. NO. 10;		

CURRENT APPLICATION NUMBER: US/09/815,242

NUMBER OF SEQ  
CORRESPONDENCNUMBER OF SEQ  
CORRESPONDENC

```

; ADDRESSEE: John Moran
; STREET: US Army MRC -504 Scott Street MCMR-JA (John Moran-Patent Atty)
; CITY: FORT DERRICK
; STATE: MARYLAND
; COUNTRY: USA
; ZIP: 21702-5012
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 7.5
; SOFTWARE: Microsoft Word 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,431
; FILING DATE: June 25, 1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Moran, John
; REGISTRATION NUMBER: 26,313
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 619-2065
; TELEFAX: (301) 619-7714
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257
; TYPE: Amino Acid
; STRANDEDNESS: Unknown
; TOPOLOGY: Unknown
; MOLECULE TYPE: Peptide
; US-08-882-431-2

Query Match          42.2%: Score 49; DB 7; Length 257;
Best Local Similarity 66.7%: Pred. No. 20;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 GLEISEINEEDLKE 15
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Db 24 GSEKSEINEKDLRK 38

RESULT 14
US-09-870-759-8
; Sequence 8, Application US/09870759
; Patent No. US20020177551A1
; GENERAL INFORMATION:
; APPLICANT: TERMAN, David S
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: 870759
; CURRENT APPLICATION NUMBER: US/09/870,759
; PRIOR FILING DATE: 2002-01-14
; PRIOR APPLICATION NUMBER: US 60/208,128
; NUMBER OF SEQ ID NOS: 166
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
; US-09-870-759-8

Query Match          42.2%: Score 49; DB 9; Length 257;
Best Local Similarity 66.7%: Pred. No. 20;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 GLEISEINEEDLKE 15
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Db 24 GSEKSEINEKDLRK 38

RESULT 15
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US-10-002-784A-2
; Sequence 2, Application US/10002784A
; Publication No. US20030036644A1
; GENERAL INFORMATION:
; /33
; APPLICANT: Ulrich, Robert G.
; TITLE OF INVENTION: Bacterial Superantigen Vaccines
; FILE REFERENCE: 003/233/SAP
; CURRENT APPLICATION NUMBER: US/10/002,784A
; PRIOR FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: 08/882,431; 09/144,776
; PRIOR FILING DATE: 97-06-25; 98-09-01
; SOFTWARE: Apple Macintosh Microsoft Word 6.0
; SEQ ID NO 2
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: mutant staphylococcal enterotoxin A periplasmic
; US-10-002-784A-2

Query Match          42.2%: Score 49; DB 9; Length 257;
Best Local Similarity 66.7%: Pred. No. 20;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 GLEISEINEEDLKE 15
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Db 24 GSEKSEINEKDLRK 38
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Search completed: July 16, 2003, 13:59:55  
Job time : 22 secs

